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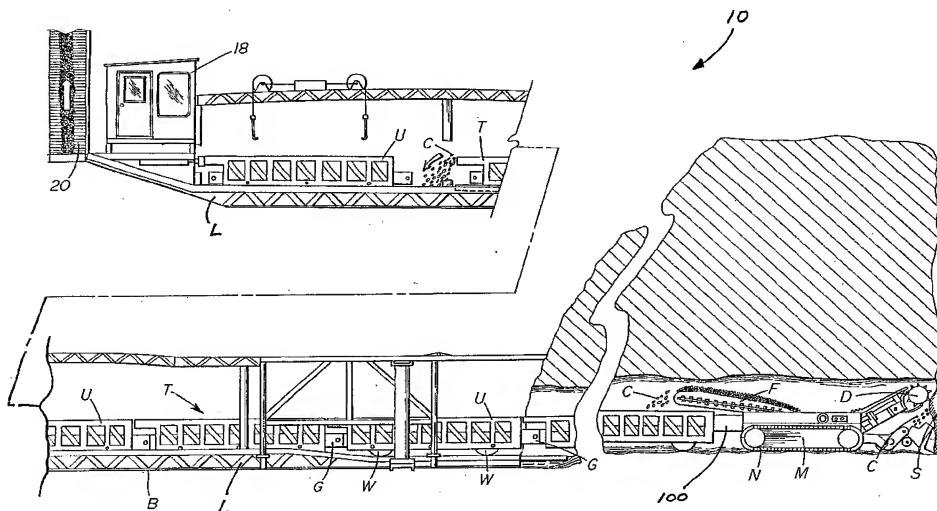
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(54) Title: **MINING APPARATUS WITH PRECISION NAVIGATION SYSTEM**



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(57) **Abstract:** A mining apparatus includes a miner, a conveyor unit and a steering unit connecting the miner and conveyor unit. The apparatus also includes a heading sensor and a controller responsive to the heading sensor. A first actuator is carried on the miner, the control unit or the steering unit. The first actuator is positioned to a first side of a midline of the miner. Further a second actuator is carried on one of the miner, the conveyor unit and the steering unit. The second actuator is positioned to a second opposite side of the midline of the miner. The first and second actuators are utilized to adjust a connection angle between the miner and the conveyor unit either side of parallel in order to maintain the miner on the desired directional heading.